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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ADLER, Frank et al.

Application N°: 10/820,088

Filed: April 7, 2004

Title: DETERMINATION OF WAVEGUIDE  
PARAMETERS

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CUSTOMER NUMBER 37003

Group Art Unit: 2857

Examiner: N/A

Attorney Docket No.: 57.0541 US NP

*Certificate of Mailing*

*I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: Hon. Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.*

*Lorraine Ronnlund*  
Lorraine Ronnlund

*July 7, 2004*  
Date

INFORMATION DISCLOSURE  
STATEMENT

HONORABLE COMMISSIONER FOR PATENTS

P. O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, 1.97 and 1.98, the Applicants wish to bring the reference materials listed in the attached Form PTO-1449 to the attention of the U. S. Patent and Trademark Office. Copies of the references are provided for the Examiner's convenience.

No representation is made or intended that a complete and exhaustive prior art search has been made, or that no better references than those set forth below are available. Furthermore, this Statement does not constitute an admission that these references are properly citable against the present application as prior art.

It is respectfully requested that these references be considered by the Examiner and formally made of record in this case.

Respectfully submitted,

*William B. Batzer*

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Date: JULY 7, 2004



FORM P-1449 (Modified)

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

57.0541 US NP

SERIAL NO.

10/820,088

APPLICANTS

Adler et al

FILING DATE

04/07/04

GROUP

2857

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
	AA	3,864,667	02/04/75	Bahjat
	AB	6,360,609	03/26/02	Wooh

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation Yes No
	AC	2002-055090 A	02/20/02	JP	Abstract

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION,  
PERTINENT PAGES, ETC.)

	AD	Claerbout Transforms Fundamentals of geophysical data processing, Blackwell Scientific Publications, 1985, page 19, equation 1-5-9
	AE	Ewing et al A layered half space Elastic waves in layered media, McGraw-Hill, 1957, equation 4-78 on page 138-139
	AF	Iranpour et al Local velocity analysis by parametric wavenumber estimation in seismic ( <i>fk</i> -MUSIC) EAGE 64 <sup>th</sup> conference and exhibition, Florence, Italy, 27-30 May 2002, P171
	AG	McMechan et al Analysis of dispersive waves by wave field transformation Geophysics, vol 46, no 6, 1981, pages 869-874
	AH	Park et al Imaging dispersion curves of surface waves on multi-channel record Society of Exploration Geophys., Expanded Abstracts SP 10.8, 1998, pages 1377-1380
	AI	Roth et al Joint inversion of Rayleigh and guided waves in high-resolution seismic data using a genetic algorithm Society of Exploration Geophys., Expanded Abstracts ST 5.3, 1998, pages 1570-1573

	AJ	Xia et al Estimation of near-surface shear-wave velocity by inversion of Rayleigh waves Geophysics, vol 64, no 3, 1999, pages 691-700
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.